

EXHIBIT 26



US010687743B1

(12) **United States Patent**
Al-Ali

(10) **Patent No.:** **US 10,687,743 B1**

(45) **Date of Patent:** ***Jun. 23, 2020**

(54) **PHYSIOLOGICAL MEASUREMENT
DEVICES, SYSTEMS, AND METHODS**

(56) **References Cited**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

This patent is subject to a terminal dis-
claimer.

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(21) Appl. No.: **16/791,955**

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(22) Filed: **Feb. 14, 2020**

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Related U.S. Application Data

(63) Continuation of application No. 16/532,061, filed on
Aug. 5, 2019, which is a continuation of application
(Continued)

(51) **Int. Cl.**
A61B 5/1455 (2006.01)
A61B 5/145 (2006.01)
(Continued)

(52) **U.S. Cl.**
CPC **A61B 5/14552** (2013.01); **A61B 5/0002**
(2013.01); **A61B 5/02416** (2013.01);
(Continued)

(58) **Field of Classification Search**
None

See application file for complete search history.

(57) **ABSTRACT**

A non-invasive, optical-based physiological monitoring sys-
tem is disclosed. One embodiment includes an emitter
configured to emit light. A diffuser is configured to receive
and spread the emitted light, and to emit the spread light at
a tissue measurement site. The system further includes a
concentrator configured to receive the spread light after it
has been attenuated by or reflected from the tissue measure-
ment site. The concentrator is also configured to collect and
concentrate the received light and to emit the concentrated
light to a detector. The detector is configured to detect the
concentrated light and to transmit a signal representative of
the detected light. A processor is configured to receive the
transmitted signal and to determine a physiological param-
eter, such as, for example, arterial oxygen saturation, in the
tissue measurement site.

25 Claims, 7 Drawing Sheets

